

BYK-ET 3061

Solvent-free silicone surfactant for aqueous separator coatings and anode slurries with a considerable reduction in surface tension and improvement in substrate wetting and leveling.

Product Data

Composition

Polyether-modified siloxane

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Density (20 °C):	1.04 g/ml
Non-volatile matter (10 min., 150 °C):	> 94 %
Electrochemical stability:	0.1 V to 4.8 V (vs. Li/Li ⁺)

Applications

Energy Storage

Special Features and Benefits

BYK-ET 3061 leads to a significant decrease in the surface tension of aqueous separator coatings and anode slurries and therefore particularly improves substrate wetting and leveling. This effect can be used for fast and defect-free coating of porous polyolefin separators and anode copper foil.

Recommended Levels

0.1-1 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. Optimal dosage levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

It is preferable to add the additive to the finished formulation. However, it can be used at any stage during manufacture.



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This issue replaces all previous versions.